

Converting Colors

XYZ(41.3614, 56.2582, 90.6548)

Have a look what the booklet for
XYZ(41.3614, 56.2582, 90.6548)
contains.

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Color

**XYZ(41.3477, 56.3499,
90.3587)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD9EF
RGB	42, 217, 239
RGB Percent	16%, 85%, 94%
CMY	0.8352, 0.1490, 0.0627
CMYK	0.82, 0.09, 0.00, 0.06
HSL	187°, 86%, 55%
HSV	187°, 82%, 94%
XYZ	41.3477, 56.3499, 90.3587
YIQ	167.1830, -111.3620, -30.2580

Conversions

Conversions Part 2

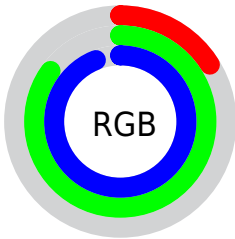
Format	Color
R _Y B	42, 135, 239
Decimal	2808303
CIE Lab	79.81, -34.13, -22.75
CIE LCh	80, 41.018, 213.689
Yxy	56.3499, 0.2199, 0.2996
Android (android.graphics.Color)	4280998383 (0xFF2AD9EF)
YUV	167.1830, 35.4058, -109.7855
Hunter-Lab	75.0666, -33.0462, -18.8216

Details

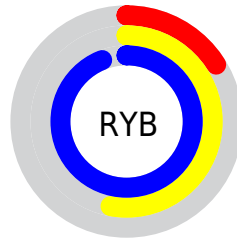
The XYZ color **41.3477, 56.3499, 90.3587** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **37.8499, 22.1873, 4.4801**, and the grayscale version is **36.6952, 38.6062, 42.0421**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **21.4676, 29.2596, 49.3159** is the 20% darker color. If you saturate the color by 10%, you get **39.9630, 54.6241, 90.0996**, and if you desaturate by 10%, it is **43.3289, 58.4020, 90.6514**.

Distribution



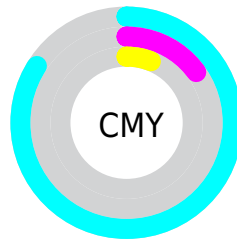
- Red (16%)
- Green (85%)
- Blue (94%)



- Red (16%)
- Yellow (53%)
- Blue (94%)



- Cyan (82%)
- Magenta (9%)
- Yellow (0%)
- Black (6%)



- Cyan (84%)
- Magenta (15%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.3477, 56.3499, 90.3587 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 41.3477, 56.3499, 90.3587 by changing the saturation by 10% instead.

41.3477, 56.3499,
90.3587

41.3477, 56.3499,
90.3587

342.8095,
411.0088, 549.7972

28.7797, 40.4835,
67.7028

76.4828, 99.5160,
149.7764

19.0577, 27.9157,
49.1908

99.7807, 127.5845,
187.3753

11.8162, 18.2622,
34.4042

127.3859,
160.4892, 230.7923

6.6900, 11.1384,
22.9244

159.6638,
198.6144, 280.4459

3.3136, 6.1600,
14.3329

196.9798,
242.3446, 336.7546

1.3217, 2.9426,
8.2112

239.6991,

0.1994, 1.1018,

292.0641, 400.1370

4.1407

288.1873,
348.1574, 471.0117

■ 0.0000, 0.0000,
1.7028

■ 0.0000, 0.0000,
0.3627

■ 41.3477, 56.3499,
90.3587

■ 41.3477, 56.3499,
90.3587

■ 39.9630, 54.6241,
90.0996

■ 43.3289, 58.4020,
90.6514

■ 39.2012, 53.4742,
89.9178

■ 45.9913, 60.8208,
90.9780

■ 49.4115, 63.6468,
91.3432

■ 53.6542, 66.9137,
91.7502

■ 58.7774, 70.6513,
92.2016

■ 64.8337, 74.8868,
92.6999

■ 71.8713, 79.6451,
93.2474

■ 79.9354, 84.9497,
93.8463

■ 88.2829, 90.4175,
94.4617

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.1599, 56.3499, 64.3436



41.3477, 56.3499, 90.3587



46.7924, 56.3499, 112.1196

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.3477, 56.3499, 90.3587



69.1754, 56.3499, 83.9242



52.5386, 56.3499, 26.1144

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



41.3477, 56.3499, 90.3587



37.8499, 22.1873, 4.4801

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.9482, 56.3499, 28.8288



41.3477, 56.3499, 90.3587



71.1148, 56.3499, 58.4613

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



41.3477, 56.3499, 90.3587



62.9075, 56.3499, 107.7811



67.9647, 56.3499, 39.3355



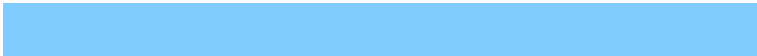
45.1857, 56.3499, 30.6430

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



41.3477, 56.3499, 90.3587



51.8238, 56.3499, 118.9154



67.9647, 56.3499, 39.3355



55.3322, 56.3499, 26.2176

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



41.3495, 56.3519, 90.3601



73.1295, 85.3901, 107.2354



32.6844, 62.5712, 14.8719



15.1186, 17.9042, 22.9090



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.3495, 56.3519, 90.3601



45.4982, 62.0689, 104.1902



23.3506, 20.3542, 84.3604



16.0878, 17.6098, 20.2727



21.7241, 29.6724, 49.7102



1.8498, 2.5536, 4.1496

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



48.9505, 25.0183, 67.8966



55.1061, 26.8507, 74.8115



48.6225, 43.7325, 8.0710



16.3738, 15.9992, 19.5245



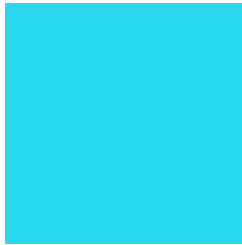
26.2909, 12.7888, 35.7781



2.2086, 1.0725, 3.0896

Previews

White Background



This preview shows how the XYZ color 41.3477, 56.3499, 90.3587 looks on a white background.

Color Contrast Check

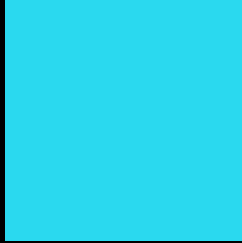
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 41.3477, 56.3499, 90.3587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.3477, 56.3499, 90.3587

Background



This preview shows how black text looks on a background with the XYZ color 41.3477, 56.3499, 90.3587.



This preview shows how white text looks on a background with the XYZ color 41.3477, 56.3499,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

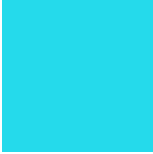
41.3477, 56.3499, 90.3587

Protanopia

54.4555, 55.4884, 78.3612

Deuteranopia

56.5663, 55.2390, 94.0670



Tritanopia

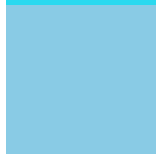
40.8297, 56.5343, 87.3575

Trichromacy



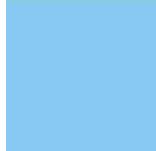
Original Color

41.3477, 56.3499, 90.3587



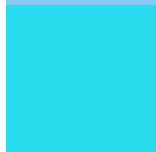
Protanomaly

45.8153, 53.6874, 82.0767



Deuteranomaly

47.2176, 53.4786, 92.6278



Tritanomaly

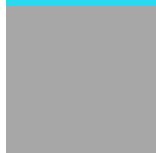
41.0484, 56.6303, 88.1241

Monochromacy



Original Color

41.3477, 56.3499, 90.3587



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

35.0006, 42.6858, 56.8465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3477, 56.3499, 90.3587 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(42, 217, 239)` looks like.

```
.text, #text, p{  
    color:rgb(42, 217, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(42, 217, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 217, 239) }
```

Border

The CSS property to change the border of an element to XYZ 41.3477, 56.3499, 90.3587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(42, 217, 239) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(42, 217, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(42, 217, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 217, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 217, 239);  
box-shadow:4px 4px 4px 4px rgb(42, 217,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3477, 56.3499, 90.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 217, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(42, 217,  
239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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